IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Document Camera
Manufacturer: AVerMedia
Firmware Version: N/A
Model(s): SPB350+

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
5	8/24/2015	1.6.0	3.5.2	Extron Certified version. Tested on SPB350+ model. Removed Power command since Power On is not supported. Added Brightness and Contrast Level.
4	6/24/2015	1.6.0	3.5.2	Fixed command string for Power Control command.
3	5/30/2013	1.6.0	3.5.0	Added Power Control command. Added Power, Freeze, Lamp Power, and LightBox feedback.
2	10/7/2011	1.4.0	3.0.4	Added Query Enable feature.
1	5/6/2011	1.4.0	3.0.4	Initial version.

Driver Notes:

Control Commands & States:

2-Split	Vertical	Horizontal	Toggle
Auto Image	Off/On		
Brightness (Step)	Up	Down	
Brightness Level	0 to 63 in steps of 1		
Capture	Single	Continuous	
Contrast	0 to 255 in steps of 3		
Display Mode	Camera	Playback	PC1
	PC2		
Effect	Color	B/W	Neg
Focus	Near	Far	Auto Focus
Freeze	On	Off	
Image Mode	Text	Graphics	Frame
	Microscope		
Image Rotation	0	90	180
	270	Toggle	
Lamp Power	On	Off	
LightBox	On	Off	
Menu Navigation	Menu	Up	Down
	Left	Right	Enter
Mirror	Toggle		
PIP Position	Lower Left	Upper Left	Upper Right
	Lower Right	Toggle	
Power Control	On	Off	
Zoom	In	Out	Reset

Status Available:

Brightness Level	0 to 63 in steps of 1		
Connection Status	Connected	Disconnected	
Contrast	0 to 255 in steps of 3		
Display Mode	Camera	Playback	PC1
	PC2		
Freeze	On	Off	
Lamp Power	On	Off	
LightBox	On	Off	

MLC60 Series Supported Commands:

2-Split	Vertical	Horizontal	Toggle
Auto Image	Off/On		
Brightness (Step)	Up	Down	
Capture	Single	Continuous	
Display Mode	Camera	Playback	PC1
	PC2		
Effect	Color	B/W	Neg
Focus	Near	Far	Auto Focus
Freeze	Off/On		
Image Mode	Text	Graphics	Frame
	Microscope		
Image Rotation	0	90	180
	270	Toggle	
Lamp Power	On	Off	
LightBox	On	Off	
Menu Navigation	Menu	Up	Down
	Left	Right	Enter
Mirror	Toggle		
PIP Position	Lower Left	Upper Left	Upper Right
	Lower Right	Toggle	
Zoom	In	Out	Reset

Cable and Adapter Requirements:

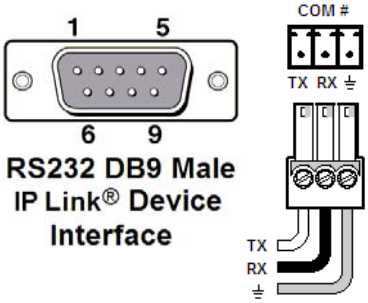
M/F RS-232 straight serial cable (Extron Electronics P/N 26-433-XX)

Notes for the Device:

Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Signal	Pin	Main Cable	Pin	Signal
RxD	2	←	2	TxD
TxD	3	→	3	RxD
GND	5	—	5	GND

Note: Captive screw connector may also be used as a serial connection.

General Notes: